 This is part of **Family API** which allow to create dual-os version of program runs under OS/2 and DOS

Note: This is legacy API call. It is recommended to use 32-bit equivalent

2021/09/17 04:47 · prokushev · 0 Comments
2021/08/20 03:18 · prokushev · 0 Comments

DosReallocSeg

This call reallocates a segment after discard or changes the size of a segment already allocated.

Syntax

DosReallocSeg (Size, Selector)

Parameters

;Size (USHORT) - input : New requested segment size (in bytes). A value of 0 indicates 65536 bytes.
;Selector (SEL) - input : Segment to be resized.

Return Code

rc (USHORT) - return Return code descriptions are: * 0 NO_ERROR * 5 ERROR_ACCESS_DENIED * 8 ERROR_NOT_ENOUGH_MEMORY

Remarks

DosReallocSeg is called to change the size of an unshared or shared segment allocated with a DosAllocSeg request.

Normally, segments allocated as shared (AllocFlags bits 0 and 1 were set) cannot be decreased in size. However, if AllocFlags bit 3 was also set, the shared segment's size can be decreased.

DosReallocSeg is also called to reallocate a segment allocated as discardable (AllocFlags bit 2 set) after the segment is discarded by the system. The call to DosReallocSeg automatically locks the segment for access by the caller, the same as if a DosLockSeg had been issued.

Note: This request may be issued from privilege level 2 or 3, and the segment being resized can be either a privilege level 2 or privilege level 3 segment.

To change the size of huge memory allocated by DosAllocHuge, see DosReallocHuge.

Family API Considerations

Some options operate differently in the DOS mode than in the OS/2 mode. Therefore, the following restriction applies to DosReallocSeg when coding for the DOS mode. The requested Size value is rounded up to the next paragraph (16-byte).

Example Code

C Binding

<PRE> #define INCL_DOSMEMMGR

USHORT rc = DosReallocSeg(Size, Selector);

USHORT Size; /* New size requested in bytes */ SEL Selector; /* Selector */

USHORT rc; /* return code */ </PRE>

MASM Binding

<PRE> EXTRN DosReallocSeg:FAR INCL_DOSMEMMGR EQU 1

PUSH WORD Size ;New size requested in bytes PUSH WORD Selector ;Selector CALL DosReallocSeg

Returns WORD </PRE>

Note

Text based on http://www.edm2.com/index.php/DosReallocSeg

Family API		
DOS	Process Manager	DosBeep DosExit DosSleep DosExecPgm
	File Manager	DosChDir DosChgFilePtr DosClose DosDelete DosDupHandle DosMkDir DosMove DosQCurDir DosQCurDisk DosSetFileMode DosOpen DosQFileInfo DosRead DosQFileMode DosQFSInfo DosQVerify DosRmDir DosSelectDisk DosFindClose DosFindFirst DosFindNext DosSetFileInfo DosSetVerify DosWrite DosFileLocks DosSetFHandState DosNewSize DosBufReset DosQFHandState DosSetFSinfo DosShutdown
	Memory Manager	DosFreeSeg DosSubAlloc DosSubFree DosSubSet DosAllocHuge DosAllocSeg DosReallocHuge DosReallocSeg DosGetHugeShift DosCreateCSAlias
	NLS	DosCaseMap DosGetCtryInfo DosGetDBCSEv DosSetCtryCode DosGetCollate DosGetMessage DosInsMessage DosPutMessage
	Date and Time	DosSetDateTime DosGetDateTime
	Devices	DosDevConfig DosDevIOCtl DosDevIOCtl2
	Signals	DosHoldSignal DosSetSigHandler
	Misc	BadDynLink DosGetEnv DosGetMachineMode DosGetVersion DosError DosErrClass DosSetVec
KBD		KbdCharIn KbdFlushBuffer KbdGetStatus KbdSetStatus KbdStringIn KbdPeek
VIO		VioGetBuf VioGetConfig VioGetCurPos VioGetCurType VioGetPhysBuf VioReadCellStr VioReadCharStr VioScrollUp VioScrollDn VioScrollLf VioScrollRt VioScrUnLock VioSetCurPos VioSetCurType VioSetMode VioGetMode VioShowBuf VioWrtCellStr VioWrtCharStr VioWrtCharStrAtt VioWrtNAttr VioWrtNCell VioWrtNChar VioWrtTTY VioScrLock VioPopUp
Tools		BIND
Modules		DOSCALLS.DLL VIOCALLS.DLL KBDCALLS.DLL MSG.DLL
Libraries		API.LIB OS2386.LIB FAPI.LIB DOSCALLS.LIB SUBCALLS.LIB

2018/08/25 15:05 · prokushev · 0 Comments